

CLAIM AMENDMENTS:

Claim 1 (Currently Amended): A liquid crystal panel, comprising:

 a front plate;

 a rear plate including a plurality of pixel electrodes, wherein every two the pixel electrodes are paired as a pixel electrode group grouped in pairs, every two ~~pairs of the~~ pixel electrodes groups are separated by a groove, and the pixel electrodes of each ~~pair of the~~ pixel electrodes group are separated by a protrusion; and

 a liquid crystal layer, with which the space between the front plate and rear plate is filled, wherein the liquid crystal layer has liquid crystal molecules in vertical alignment mode.

Claim 2 (Original): The liquid crystal panel according to claim1, wherein the protrusion is made of dielectric material of low dielectric constant.

Claim 3 (Original): The liquid crystal panel according to claim 2, wherein the protrusion has a dielectric constant of smaller than 10.

Claim 4 (Original): The liquid crystal panel according to claim 2, wherein the protrusion is made of silicon dioxide.

Claim 5 (Original): The liquid crystal panel according to claim 1, wherein the front plate and the second plate are apart in a cell gap and the protrusion has a height of at least one fifth of the cell gap.

Claim 6 (Original): The liquid crystal panel according to claim 1, wherein the groove has a first inclination and a second inclination, and the first inclination is opposite to the second inclination.

Claim 7 (Original): The liquid crystal panel according to claim 1, wherein the protrusions and the grooves are arranged alternately.

Claim 8 (Original): The liquid crystal panel according to claim 1, wherein the groove has a depth equal to that of the pixel electrodes.

Claim 9 (Original): The liquid crystal panel according to claim 1, wherein the rear plate further comprises an insulating layer, the pixel electrodes are disposed above the insulating layer, and the groove has a depth larger than that of the pixel electrodes.

Claim 10 (New): A liquid crystal panel, comprising:
a front plate;

a rear plate including a plurality of groups, each group having two pixel electrodes and a protrusion therebetween, wherein the groups are separated from each other by respective grooves; and

a liquid crystal layer, with which the space between the front plate and rear plate is filled, wherein the liquid crystal layer has liquid crystal molecules in vertical alignment mode.

Claim 11 (New): The liquid crystal panel according to claim 10, wherein the protrusion is made of dielectric material of low dielectric constant.

Claim 12 (New): The liquid crystal panel according to claim 11, wherein the protrusion has a dielectric constant of smaller than 10.

Claim 13 (New): The liquid crystal panel according to claim 11, wherein the protrusion is made of silicon dioxide.

Claim 14 (New): The liquid crystal panel according to claim 10, wherein the front plate and the second plate are apart in a cell gap and the protrusion has a height of at least one fifth of the cell gap.

Claim 15 (New): The liquid crystal panel according to claim 10, wherein the groove has a first inclination and a second inclination, and the first inclination is opposite to the second inclination.

Claim 16 (New): The liquid crystal panel according to claim 10, wherein the protrusions and the grooves are arranged alternately.

Claim 17 (New): The liquid crystal panel according to claim 10, wherein the groove has a depth equal to that of the pixel electrodes.

Claim 18 (New): The liquid crystal panel according to claim 10, wherein the rear plate further comprises an insulating layer, the pixel electrodes are disposed above the insulating layer, and the groove has a depth larger than that of the pixel electrodes.